

Fact Sheet

SonoRepeat 111™

M-Bus repeater for Smart Metering



SonoRepeat 111 is a M-Bus repeater there together with SonoCollect 111 is a product family there addresses huge meter installations. The performance of the M-Bus interface and the CPU is very high.

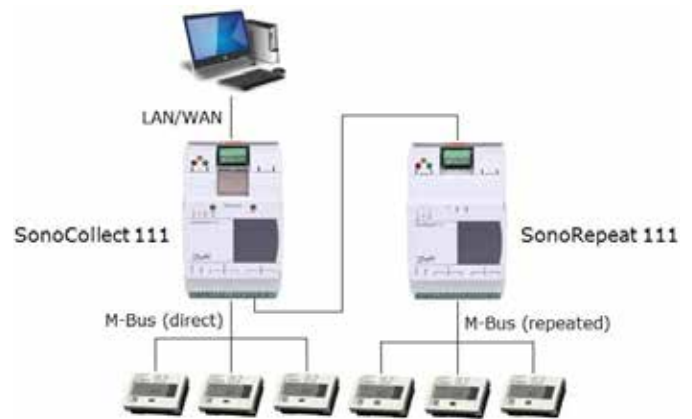
Larger networks and longer distances can be covered and a higher number of meters can be connected to the M-Bus. SonoRepeat 111 combines a slave interface to the logical bus master on the one side and an own master interface to the slaves or meters on the other side.

Status LEDs signaling TX, RX and collisions on the M-Bus. M-Bus is short circuit protected (self-resetting fuse), and M-Bus slave and M-Bus master are galvanically isolated. SonoCollect 111™ and SonoRepeat 111 is a consolidated device which fulfills all duties and responsibilities of Smart Metering. Real Plug'n'Play saves time and effort.

The data is transparently transmitted in both directions. As the repeater powers its subnet, the physical load of the logical master is clearly reduced.

Complete functionality

SonoRepeat 111 supports up to 500 Unit Loads at the wired M-Bus interface directly.



Ordering

Model	Number of meters	Code no.
SonoRepeat 111 MR-125	M-Bus repeater for 125 Unit Load	014U1631
SonoRepeat 111 MR-500	M-Bus repeater for 500 Unit Load	014U1633

Technical specifications

Power supply	12-36 VDC, max. 1500 mA (depending on bus load)
Dimensions	54 x 90 x 60 (W x H x T) in mm; 3 modules width
Installation	DIN rail, 35 mm;

Technical specifications, Metering

M-Bus Interface	M-Bus according to EN 13757-2, screw clamps;
Overall max. number of meters	Max 125 Unit Load or max 500 Unit Load
Maximum baud rate	9600 bps

Technical specifications, General

Protection class	IP 20
Weight	130 g
Wiring cables	2.5 mm ² solid/stranded wire or 1.5 mm ² stranded wire with ferrules
Temperature range	0 - 50° C
Humidity	10 - 95% relatively, no condensation

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